

09/807519

1/4

Sequence listing:

Applicants: Commonwealth Scientific and Industrial Research  
Organisation

5 University of Western Sydney (Nepean)  
Pig Research and Development Corporation

Title of the Invention: Delivery system for porcine somatotropin

10 Prior Application Number: PP 6556  
Prior Application Filing Date: 1998-10-16

15 Number of SEQ ID NOs: 4

Software: PatentIn Ver. 2.1

SEQ ID NO: 1

Length: 24

20 Type: PRT

Organism: Homo sapien

Sequence: 1

Met Ala Leu Trp Met Arg Leu Leu Pro Leu Leu Ala Leu Leu Ala Leu  
25 1 5 10 15

Trp Gly Pro Asp Pro Ala Ala Ala  
20

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SEQ ID NO: 2

Length: 72

Type: DNA

Organism: Homo sapien

09/807519

Sequence: 2

atggccctgt ggatgcgct cctgcccctg ctggcgctgc tggccctctg gggacctgac 60  
ccagccgcag cc

5

SEQ ID NO: 3

Length: 666

Type: DNA

10

Organism: Artificial Sequence

Feature:

Other Information: Description of Artificial Sequence: ISS-pST gene  
construct

15

Sequence: 3

gctagcatgg cctgtggat gcgcctcctg cccctgctgg cgctgctggc cctctgggga 60  
cctgaccag ccgcagccct cgagatgttt ccagctatgc cactttcttc tctgttcgct 120  
aacgctgttc ttcgggccca gcacctgcac caactggctg ccgacaccta caaggagttt 180  
gagcgcgctt acatcccggg gggacagagg tactccatcc agaacgcca ggctgccttc 240  
tgcttctcgg agaccatccc ggccccacg ggcaaggacg aggcccagca gagatcggac 300  
gtggagctgc tgcgcttctc gctgctgctc atccagtcgt ggctcggggc cgtgcagttc 360  
ctcagcaggg tcttcaccaa cagcctggtg tttggcacct cagaccgct ctacgagaag 420  
ctgaaggacc tggaggagg catccaggcc ctgatgcggg agctggagga tggcagcccc 480  
cgggcaggac agatcctcaa gcaaacctac gacaaatttg acacaaactt gcgcagtgat 540  
gacgcgctgc ttaagaacta cgggctgctc tctgcttca agaaggacct gcacaaggct 600  
gagacatacc tgcgggtcat gaagtgtcgc cgcttcgtgg agagcagctg tgccttctag 660  
tctaga

666

30

SEQ ID NO: 4

Length: 217

Type: PRT

Organism: Artificial Sequence

09/807519

3/4

Feature:

Other Information: Description of Artificial Sequence: ISS-pST  
peptide sequence

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Sequence: 4

Met Ala Leu Trp Met Arg Leu Leu Pro Leu Leu Ala Leu Leu Ala Leu  
1 5 10 15

10

Trp Gly Pro Asp Pro Ala Ala Ala Leu Glu Met Phe Pro Ala Met Pro  
20 25 30

Leu Ser Ser Leu Phe Ala Asn Ala Val Leu Arg Ala Gln His Leu His  
35 40 45

15

Gln Leu Ala Ala Asp Thr Tyr Lys Glu Phe Glu Arg Ala Tyr Ile Pro  
50 55 60

20

Glu Gly Gln Arg Tyr Ser Ile Gln Asn Ala Gln Ala Ala Phe Cys Phe  
65 70 75 80

Ser Glu Thr Ile Pro Ala Pro Thr Gly Lys Asp Glu Ala Gln Gln Arg  
85 90 95

25

Ser Asp Val Glu Leu Leu Arg Phe Ser Leu Leu Leu Ile Gln Ser Trp  
100 105 110

Leu Gly Pro Val Gln Phe Leu Ser Arg Val Phe Thr Asn Ser Leu Val  
115 120 125

30

Phe Gly Thr Ser Asp Arg Val Tyr Glu Lys Leu Lys Asp Leu Glu Glu  
130 135 140

35

Gly Ile Gln Ala Leu Met Arg Glu Leu Glu Asp Gly Ser Pro Arg Ala  
145 150 155 160

09/807519

4/4

Gly Gln Ile Leu Lys Gln Thr Tyr Asp Lys Phe Asp Thr Asn Leu Arg

165

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5 Ser Asp Asp Ala Leu Leu Lys Asn Tyr Gly Leu Leu Ser Cys Phe Lys

180

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Lys Asp Leu His Lys Ala Glu Thr Tyr Leu Arg Val Met Lys Cys Arg

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Arg Phe Val Glu Ser Ser Cys Ala Phe

210

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